



10-28-04

IFW

OCT 27 2004

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/609,311
Filing Date	June 26, 2003
First Named Inventor	Donald L. Yates
Art Unit	2811
Examiner Name	Unknown
Total Number of Pages in This Submission	MI22-2236

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> PTO Return Receipt Postcard
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement	<input type="checkbox"/> Request for Refund	Form PTO-1449 w/copies of cited references
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Remarks	
		Customer No. 021567
		NO FEE IS REQUIRED WITH THIS FILING.
		However should a fee be determined as owing, please charge such fee to Deposit Account No. 23-0925

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Wells St. John P.S.		
Signature			
Printed name	Robert C. Hyta		
Date	10/25/04	Reg. No.	46,791

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	Sent via EXPRESS MAIL, label no. EV 372470038 US US		
Typed or printed name		Date	October 27, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

EV372470038



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application Serial No. 10/609,311
Filing Date June 26, 2003
Inventor Donald L. Yates
Assignee Micron Technology, Inc.
Group Art Unit 2811
Examiner Unknown
Attorney Docket No. MI22-2236
Customer No. 021567
Title: Semiconductor Processing Patterning Methods and Constructions

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

References -- See Attached Form PTO-1449

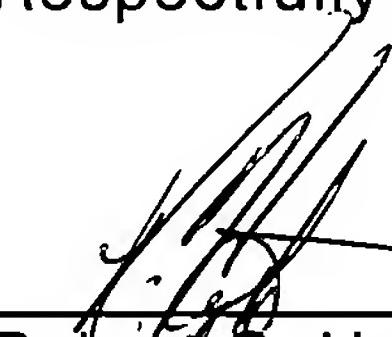
The attached form PTO-1449 is submitted in compliance with 37 CFR §1.56. Copies of all references are attached. No admission is made regarding whether all the listed references are prior art.

Citation of the referenced art is respectfully requested.

This Supplemental Information Disclosure Statement is being filed before the mailing date of a first Office Action. There, no fee is believed to be required. However, in the event that a fee is required for filing this Information Disclosure Statement, please charge the fee specified under 37 C.F.R. § 1.17(p) to Deposit Account No. 23-0925.

Respectfully submitted,

Dated: 10/25/04

By: 
Robert C. Hyta
Reg. No. 46,791

Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY. DOCKET NO. MI22-2236		SERIAL NO. 10/609,311	
		LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)			APPLICANT: Donald L. Yates			
		FILING DATE June 26, 2003		GROUP 2811				
U.S. PATENT DOCUMENTS								
*Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	3,349,474	12/1963	D. H. Rauscher				
	AB	5,904,517	05/1999	Gardner et al.	438	197		
	AC	5,998,264	12/1999	Wu	438	260		
	AD	6,180,465 B1	01/2001	Gardner et al.	438	291		
	AE	6,207,485 B1	03/2001	Gardner et al.	438	216		
	AF	6,548,854 B1	04/2003	Kizilyalli et al.	257	310		
	AG							
	AH	2003/0045060 A1	03/2003	Ahn et al.	438	287		
	AI	2003/0045078 A1	03/2003	Ahn et al.	438	585		
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
	AJ	EP 0 851 473 A2	01/1998	EPO			Yes	No
	AK							
	AL							
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
	AM	Chang et al., Silicon surface treatments in advanced MOS gate processing, Microelectronic Engineering, (2004), pages 130-135						
	AN	Lemberger et al., Electrical characterization and reliability aspects of zirconium silicate films obtained from novel MOCVD precursors, Microelectronic Engineering (2004), pages 315-320						
	AO	Lu et al., Effects of the TaN _x interface layer on doped tantalum oxide high-k films, VACUUM (2004), pages 1-9						
EXAMINER		DATE CONSIDERED						
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

Form PTO-1449				U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MI22-2236		SERIAL NO. 10/609,311	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT: Donald L. Yates					
				FILING DATE June 26, 2003		GROUP 2811			
U.S. PATENT DOCUMENTS									
*Examiner's Initials		Document Number	Date	Name		Class	Subclass	Filing Date If Appropriate	
	AA								
	AB								
	AC								
	AD								
	AE								
	AF								
	AG								
	AH								
	AI								
FOREIGN PATENT DOCUMENTS									
		Document Number	Date	Country		Class	Subclass	Translation	
	AJ							Yes	No
	AK								
	AL								
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)									
	AM		Robertson et al., Atomic structure, band offsets, growth and defects at high-K oxide:Si interfaces, Microelectronic Engineering (2004) pages 112-120						
	AN		Singh et al., High and Low Dielectric Constant Materials, The Electrochemical Society <i>Interface</i> , Summer 1999, pages 26-30						
	AO								
EXAMINER		DATE CONSIDERED							
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									